



Annual . Report

OF THE

Medical Officer of Health

FOR THE

Year ending Dec. 31st, 1904.



HINCKLEY :

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ANNUAL REPORT.

TO THE CHAIRMAN AND MEMBERS OF THE HINCKLEY
URBAN DISTRICT COUNCIL.

GENTLEMEN,

I have again the privilege of presenting you with my Annual Report in respect to the Health and Sanitary Condition of the Hinckley Urban District during the year 1904.

I will, as usual with these Reports, begin by giving a short summary of the Vital Statistics or Births and Deaths occurring in the district during the year, and to make this account more interesting, I will preface it by giving the following table, which will give a short retrospect as to how the town now stands.

VITAL STATISTICS.

Area of District	3,729 acres.
Rateable Value	£,41,296
Population (Census 1901)	11,304
Average Population per acre	3 03.
No. of Houses inhabited (Census 1901)	2,542.
Average No. per house	4.4
Death Rate, 1904	15.4
Average do. for 5 previous years	15.2.
Birth Rate, 1904	29.6.
Average do. for 5 previous years	30.
Infant Death Rate (under 1 year) per 1,000 births registered	171.7.
Average for 5 previous years	153.6.

population.

I have been informed that the population of the town has decreased rather than increased during the past year through general bad trade, especially in the boot and shoe industry, thus compelling a good many workers, with their

families, to leave and seek work elsewhere. I have taken the population living in Hinckley to be 11,000, and I don't think this estimate will be far off the mark. The number of births this year has been lower than the last 6 years, and only 25 births in advance of 21 years ago.

We still see progress in the building trade, several new houses having been erected during the year. There is undoubtedly a demand for houses in Hinckley of the cottage type, of a rental of 5/- to 6/- a week, for at the present time I believe that there is hardly a cottage built on up-to-date principles that stands empty; and this proves the fact that the public generally are requiring now more sanitary dwellings, for no sooner is a row of new cottages built than the same are immediately tenanted, and this tends to better health and to the abandonment of yard houses, where, of course, there is in many cases no thorough ventilation or well-lighted rooms and proper closet accommodation.

The total number of births registered in 1904 was 326. This is a decrease of 28 compared with 1903, and a decrease of 16 compared with 1902. The average number of births for the last 5 years being 349. I give the following table for the last 8 years for comparison :—

In 1897	there were	382	births.
„ 1898	„	391	„
„ 1899	„	361	„
„ 1900	„	359	„
„ 1901	„	331	„
„ 1902	„	342	„
„ 1903	„	354	„
„ 1904	„	326	„

Births.

Of these 326 births, 162 were males and 164 were females, giving an average birth rate of 29·6 per 1,000, as compared with 31·3 per 1,000 in 1903 and 30·26 per 1,000 in 1902. The average birth rate for the 5 previous years being 30 per 1,000. The following will show the births registered during each quarter of the year :—

1st Quarter,	45	boys,	39	girls.
2nd „	45	„	51	„
3rd „	43	„	37	„
4th „	29	„	37	„
Total, 326.				

Deaths.

The total number of deaths registered was 177. This I am pleased to report is a little better than 1903, being a decrease of deaths, but still an increase of 17 over 1902, the average number of deaths for the 5 previous years being 179·2. The following table will give you the mortality returns for the past 8 years.

In 1897 there were	179	deaths.
„ 1898	226	„
„ 1899	193	„
„ 1900	192	„
„ 1901	164	„
„ 1902	160	„
„ 1903	187	„
„ 1904	177	„

Of these 177 deaths 91 were males and 86 were females, giving an average death-rate from all causes of 16 per 1,000, and this is inclusive of 10 deaths (6 males and 4 females) which took place at the Workhouse, and which, if deducted, would give an average of 15·1 per 1,000. In 1903 the average death-rate was 16·5 per 1,000, and, exclusive of the Workhouse, 14·2 per 1,000. The average death-rate for the 5 previous years in the district was 15·2 per 1,000. Seven deaths took place among persons belonging to other districts, which leaves the nett deaths at all ages belonging to the Hinckley district 170, giving an average death-rate of 15·4 per 1,000. The actual number of deaths returned for each month was as follows, and for comparison I give side by side with them the figures for the 5 previous years:—

Month	1904	1903	1902	1901	1900	1899
January	16	27	18	11	22	16
February ...	17	16	16	16	24	16
March	12	8	13	11	22	13
April	13	12	15	15	15	10
May	13	14	10	23	11	24
June	7	16	9	13	13	13
July	9	10	8	12	11	10
August	12	10	13	13	19	20
September ..	16	16	16	10	20	13
October	15	27	11	11	12	14
November ...	17	15	18	17	17	14
December ...	30	16	13	12	6	36
	—	—	—	—	—	—
Totals ...	177	187	160	164	192	199

Glancing over these figures one is immediately struck with the large number of deaths that took place in December, namely—30, and one has to go back to the year 1899 for a parallel when there were 36 deaths registered in December. In going over the returns Chest diseases, *i.e.* Pneumonia, Bronchitis, as well as these complicating measles, account for half the deaths in this month.

The months June and July with 7 and 9 deaths respectively show up the best. For the week ending August 20th there were no deaths registered. The number of deaths registered under one year of age was 56, giving an infant mortality of 171·7 per 1,000 births registered, as compared with 51 giving an infant mortality of 146·8 per 1,000 births registered in 1903. The average number of deaths under one year of age for the 5 previous years, being 53·6, giving an infant mortality of 153·6 per 1,000 births registered. The following table gives the ages at which death took place :—

Under 1 year of age...	...	56
1 Year and under 5 years ...		28
5 Years and under 15 years		4
15 Years and under 25 years		7
25 Years and under 65 years		37
65 Years and upwards	...	45
		<hr/>
Total...		177

The natural increase of population by increase of births over deaths was 149, as against 167 in 1903.

The Zymotic death-rate was ·8 per 1,000, as compared with 1·6 in 1903. This will always depend on the severity of an outbreak of some infectious disease.

Workhouse.

The number of deaths that took place at this Institution was 10, being 7 less than in the year 1903. The oldest death registered was 86 years, and the youngest 3 months, and if we leave out this child, who died of convulsions, the average age at which death took place at the House was 62·1, being lower than in 1903, when it was 73·6, and in 1902 when it was the same. Out of the deaths which took place at the Workhouse, 4 belong to places outside the Urban District of Hinckley.

Cottage
Hospital.

Five deaths took place at this Institution, and of these 3 were persons who did not reside in the district.

These 3 deaths, with the 4 at the Workhouse (outside the District), have to be subtracted from total deaths to give the nett deaths belonging to the District as indicated in Cols. 12 and 13, Table I., but I fail to comprehend how Column 11 of the same Table can be accurately filled up.

Infectious
Diseases.

During the year 1904 there were 50 cases of Infectious Disease notified, as compared with 69 cases during 1903. Of those notified 2 were cases of Small-Pox, 27 of Erysipelas, 11 cases of Scarlet Fever, and 2 of Typhoid Fever. The following table shows the Notification Returns for the past 8 years :—

In 1897 there were 114 cases notified.			
„ 1898	„	71	„
„ 1899	„	45	„
„ 1900	„	40	„
„ 1901	„	27	„
„ 1902	„	104	„
„ 1903	„	69	„
„ 1904	„	50	„

Chicken-Pox has not this year been notifiable.

Small-Pox.

There were 2 cases of Small-Pox notified during the year, as compared with 6 in 1903. These 2 cases were notified on the 5th January in the same house up the Mill Hill Road, and there is no doubt had some connection with the cases notified at the end of December, 1903, for one case had been removed from this house on the 24th December, 1903. These 2 cases were immediately removed to the Snarestone Small-Pox Hospital, the bed and bedding were burnt, and the whole house thoroughly disinfected two or three times, under the supervision of MR. ABBOTT, your Inspector.

The contacts were kept in quarantine for 16 days, and watched from day to day. They had all been previously re-vaccinated in December. Luckily the rest of the inmates escaped this dreadful disease. Both cases returned home recovered and in good health.

Diphtheria.

Last year only 1 notification was received as compared with none in the year 1903. This case was removed to the Isolation Hospital and recovered.

Erysipelas. There were 27 cases notified, 1 more than during the year 1903. Insanitary conditions played a part in the incidence of this disease, and in most cases were remedied. There was 1 death.

Scarlet Fever. There were 11 cases notified last year, as against 27 cases in 1903. Nine of these cases were removed to the Isolation Hospital, and all recovered. The other 2 cases were thoroughly isolated at their own homes, and made good recoveries without any spread to others. This disease in most of the cases was of a mild type.

Membranous Croup. There were 5 cases notified during November and December. There was 1 death.

Enteric Fever. There were 2 cases of Enteric Fever notified in 1904. This shows an improvement on the figures of 1903, when there were 10 cases.

In both these cases there was a history of insanitary conditions near the dwellings from which the cases were notified, and these were remedied. No case had any connection with the water or milk supply. There was 1 death as against 3 in 1903.

Puerperal Fever. Unfortunately, we had to report 2 cases of Puerperal Fever, and in both instances a fatal issue. The midwife in attendance was prevented for a month taking on further midwifery cases.

Measles. We had a fairly brisk epidemic of this very infectious disease at the end of the year, but fortunately with fair results, there being only 3 deaths registered as compared with 8 deaths in 1903. It was found necessary to close the Trinity Church Schools for a period of one calendar month.

Pertussis. There were a good many cases of Whooping Cough in the town, but there was no death recorded.

As Measles and Whooping Cough are not notifiable, it is quite impossible to give the number of cases.

I would here once more like to thank the various school authorities of this town for their kind co-operation in helping to prevent the spread of disease, by refusing to admit children in whose homes Measles, Pertussis, Ringworm, or other Infectious Disease was present, until they obtained from me or other qualified medical practitioner a certificate giving a clean bill of health.

Influenza. There seems to have been a good many cases of Influenza prevalent during the year, with 3 deaths registered as against none in 1903.

Isolation Hospital. There were 27 cases of Scarlet Fever received into this Institution last year, as against 51 cases admitted in 1903. Of these 27 cases 9 were sent from the Hinckley Urban District. All cases admitted recovered. There were only 2 cases of Diphtheria received, and these cases also went home well.

Diarrhoea and Enteritis. There was 1 death from Diarrhoea and 1 from Enteritis registered during the past year, as against 7 from these two diseases the previous year.

Phthisis. Consumption accounted for only 4 deaths, as against 10 deaths registered in 1903. I would again urge the Council to go in for Voluntary Notification of this disease, seeing that the death rate from Consumption bears a ratio to the actual number of cases existing; the cost thereof would be very small compared with the amount of good that must result. The Council continue to cleanse and disinfect rooms that have been occupied before or after death by patients who have suffered from Consumption, when proper notice has been given.

There were 4 deaths attributable to other forms of Tubercular Disease.

Cancer and Malignant Disease. There were 4 deaths due to the various forms of Cancer, as against 8 deaths last year. This gives 1 death from Cancer out of every 44 deaths that occur in your District.

Bronchitis, Pneumonia, and Pleurisy. Thirty deaths took place from these chest diseases, as against 23 in 1903. 15 were due to Bronchitis, 15 were due to Pneumonia in its various forms. No death from Pleurisy.

Alcoholism and Cirrhosis of Liver. There was 1 death due to each of these, as against 1 death in 1903.

Premature Births. There were 8 deaths as against 12 in 1903.

Heart Disease. Heart diseases accounted for 10 deaths as against 12 during 1903, giving 1 death out of 17 of the total mortality.

Water Supply. This continues to be excellent, and is becoming general in use all over the town. The quality of the water, except for its hardness, continues to be very satisfactory, no complaints having been received.

One sample of water taken from a well on MR. FREEMAN'S Farm on the Stoke Road, was tested and found to be quite satisfactory.

Sewerage.

The Sewers have been regularly flushed out. Two new ventilating shafts for Sewers have been erected, and it would be advisable to continue blocking the street gratings of the manholes, and substituting shafts erected at the highest ends of the Sewers.

Sanitary Conditions.

In respect to the Sanitary condition of your District, I may state that I have from time to time visited all parts of the town systematically, and must again report marked improvements in many directions. Blockley's Yard, Varnon's Yard, Blue Boar Yard, Cleaver's Yard, Royal Oak Yard, and Clarke's Yard have been paved.

The condition of the yards of the town has very greatly improved during the past year, many of them being paved with impervious material in place of the old Kidney stones. This enables the yards to be kept in a good, clean, and sanitary condition.

Clarence Road should be attended to.

Privy middens and pans still continue to be substituted by water closets. The lessening of the number of these privies and pans has reduced the collection thereof greatly. A few years ago a gang of men was employed nightly for this purpose, and at present it only entails on an average two nights' work a week. I might here state that people generally have acquiesced readily in the conversion of privies and pans into water closets, but unfortunately, within the last three months, there has not been such progress in this matter as was the case during the earlier part of the year and the two previous years.

All cases of Infectious Disease notified to me have been visited, and the necessary instructions and precautions given in regard to isolation, etc., in those cases not removed to the Isolation Hospital.

All houses where Infectious Disease has occurred have been disinfected, and the Council supply disinfectants when required.

Factories, Workshops, Workplaces, Bakehouses, Home Work.

Much of the work in connection with these has been done by me in company with your Surveyor, Mr. E. H. CRUMP, as well as Mr. ABBOTT, your Inspector. 70 inspections were made at Factories, and 5 written notices sent. When any matters

require attention the owners are first seen before written notice is served, and in most cases the requirements are immediately carried out. 10 inspections were made at Workshops, and 65 inspections at Homeworkers' premises.

There were no prosecutions. In 2 instances there was want of cleanliness, and these were remedied by lime washing.

At 5 places the Sanitary accommodations were found insufficient, but in only 1 instance has this been remedied. At one place the Sanitary accommodation was found unsuitable, and this has not yet been remedied.

The number of Bakehouses on the register is 16, and these have been carefully inspected with regard to ventilation and cleanliness. There are no underground Bakehouses in your District.

The number of Factories on the register at the end of 1904 was 59, and the number of Workshops and Workplaces 45. 12 lists of Outworkers have been received, giving the total number of Outworkers at 180.

We have but 1 Lodging-house in the town, and this I have frequently visited. I have found the sanitary requirements fairly satisfactory. The place is kept clean, well-ventilated, and I have not noticed any undue over-crowding.

I append the usual tables, with that relating to Factories, as required by the Local Government Board, and remain,

Gentlemen,

Your obedient Servant,

ARTHUR W. JENKINS,

M.B.; B.S.; L.R.C.P.;

LOND. M.R.C.S., ENG.,

Medical Officer of Health.

January, 1905.

TABLE I.

HINCKLEY URBAN DISTRICT.

YEAR.	Population esti- mated to middle of each year.	Births.		Total Deaths registered in the District.				Total Deaths in the Work- house and Cottage Hos- pital.	Deaths of Non- Resd'ts regtd in the Work- house and Cottage Hos- pital.	Deaths of Resd'ts regtd in Public Insti- tutions beyond the District	Nett Deaths at all Ages belonging to the District.	
				Under 1 year of age.		At all ages.					No.	Rate per 1000
		No.	Rate per 1000	No.	Rate per 1000 Births reg'd.	No.	Rate per 1000					
1894												
1895												
1896												
1897												
1898												
1899	12,000	361	30'08	58	160'6	193	16'05	12				
1900	12,000	359	29'9	63	175'4	192	16	19				
1901	11,300	331	29'2	46	138'9	164	14'5	22				
1902	11,300	342	30'26	50	146'1	160	14'15	13				
1903	11,300	354	31'3	51	146'8	187	16'5	23	15			
Av'rag's for years 1894 to 1903.	11,580	349	30	53'6	153'6	179'2	15'2	17'8	15	..		
1904	11,000	326	29'6	56	171'7	177	16	15	7		170	15'4

I.	II.	III.
Institutions within the District receiving sick and infirm persons from outside the District.	Institutions outside the District receiving sick and infirm persons from the District.	Other Institutions, the deaths in which have been distributed among the several localities in the District.
Hinckley Workhouse Infirmary.	Hinckley Isolation Hospital for Diphtheria and Scarlet Fever.	
Hinckley Cottage Hospital.	Snarestone Isolation Hospital for Small-pox.	

Area of District in acres (exclusive of area covered by water), 3,729 acres. Total population at all ages, 11,304, at Census of 1901. Number of inhabited houses, 2,542, at Census of 1901. Average number of persons per house, 4'4, at Census of 1901.

TABLE II.

HINCKLEY URBAN DISTRICT.

YEAR.	WHOLE DISTRICT.				UNION WORKHOUSE.				COTTAGE HOSPITAL.			
	Population esti- mated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.
1894												
1895												
1896												
1897												
1898												
1899	12,000	361	193	58	89	3	12		6			
1900	12,000	359	192	63	84	5	19		6			
1901	11,300	331	164	46	80	2	18		8			
1902	11,300	342	160	50	82	2	11		8		4	
1903	11,300	354	187	51	79	3	17	1	9		6	
Av'rag's of years 1894 to 1903.	11,580	349	179·2	53·6	82·8	3	15·8		7·4		5	
1904	11,000	326	177	56	86	2	10	1	10		5	

TABLE III.

Cases of Infectious Disease notified in 1904.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							NO. OF CASES REMOVED TO HOSPITALS.	
	At all Ages.	At Ages—Years.						HINCKLEY ISOLATION HOSPITAL.	SNARE-STONE SMALL-POX HOSPITAL.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and Upwards		
Small-pox	2			1		1			2
Cholera									
Diphtheria	1		1					1	
Membranous Croup	5		4	1					
Erysipelas... ..	27			3	6	13	5		
Scarlet Fever	11		5	5	1			9	
Typhus Fever									
Enteric Fever	2			1		1			
Relapsing Fever									
Continued Fever									
Puerperal Fever	2				1	1			
Plague									
Totals	50		10	11	8	16	5	10	2

Isolation Hospital, in Barwell Parish, 1½ miles distant from Hinckley.

TABLE IV.

Causes of, and Ages at Death, during 1904.

CAUSES OF DEATH.	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.							Deaths at all ages of "Residents" belonging to localities.		Total Deaths whether Residents or Non- Residents in Public Institu- tions.
	All Ages.	Under 1 year.	1 and under 5	5 and under 15.	15 and under 25.	25 and under 65.	65 and upw'ds.	Work- house.	Cottage Hos- pital.	
Small-pox										
Measles	3		2	1						
Scarlet fever										
Whooping-cough ...										
Membranous croup	1			1						
Croup										
Fever { Typhus ...										
{ Enteric ...	1					1				
{ Other cont'd										
Epidemic influenza	3					1	2	2		2
Cholera										
Plague										
Diarrhœa	1	1								
Enteritis	1	1								
Puerperal fever ..	2				1	1				
Erysipelas	1				1					
Other septic diseases										
Phthisis (Pulmonary Tuberculosis) ...	4				1	2	1	1		1
Other tubercular diseases	4		2		1	1				
Cancer, malignant disease	4					1	3		1	1
Bronchitis	15	5	6	1		2	1			
Pneumonia	15	5	7		1		2			
Pleurisy										
Laryngitis, other di- seases of respira- tory organs ...	1		1							
Alcoholism	1					1				
Cirrhosis of liver }	1					1				
Venereal diseases ...										
Premature birth ...	8	8								
Diseases & accidents of parturition ...	1					1				
Heart diseases ...	10			1		6	3			
Accidents	6	1	2		1	1	1			
Suicides	1					1				
All other causes ...	93	35	8		1	17	32	7	2	9
All causes	177	56	28	4	7	37	45	10	5	15

Factories, Workshops, Laundries, Workplaces, and Homework.

1.—Inspection.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries).	70	5 *	Nil.
Workshops (Including Workshop Laundries).	10		„
Workplaces			„
Homeworkers' Premises	65		„
Total	145	5	Nil.

* NOTE.—When any matters require attention the owners are first seen before written notice is served, and in most cases the requirements are immediately carried out.

2.—Defects Found.

Particulars.	Number of Defects.			No. of Prosecutions.
	Found.	Remedied.	Referr'd to H.M. Inspector.	
<i>Nuisances under the Public Health Acts:—</i>				Nil.
Want of cleanliness	2	2		
Want of Ventilation				
Overcrowding				
Want of drainage of floors				
Other nuisances	1	1		
Sanitary accom- modations { insufficient... ..	5	1		
{ unsuitable or defective ...	1			
{ not separate for sexes ...				
<i>Offences under the Factory and Workshop Act:—</i>				
Illegal occupation of underground bake- house (S. 101)				Nil.
Breach of special sanitary requirements for bakehouses (SS. 97 to 100).				
Failure as regard lists of outworkers (S. 107)				
Giving out work to { unwholesome (S. 108)				
{ be done in prem- ises which are { infected (S. 110)... ..				
Allowing wearing apparel to be made in premises infected by scarlet fever or small-pox (S. 109)				
Other offences				
Total	9	4		

3.—Other Matters.

Class.		Number.
Matters notified to H.M. Inspectors of Factories :—		
Failure to affix abstract of the Factory and Workshop Act (S. 133)		
Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory Act (S. 5) {		Notified by H.M. Inspector Reports (of action taken) sent to H.M. Inspectors
Other		
Underground Bakehouses (S. 101) :—		
In use during 1903		None.
Certificates granted { in 1903 in 1904		
In use at the end of 1904		
Homework :—		Number of
<i>Lists of Outworkers</i> (S. 107) :—		Lists. Outworkers.
Lists received		12 180
Addresses of outworkers { forwarded to other Authorities .. received from other Authorities ...		
<i>Homework in unwholesome or infected premises</i> :—		Wearing Apparel; Other.
Notices prohibiting homework in unwholesome premises (S. 108)		
Cases of infectious disease notified in homeworkers' premises		
Orders prohibiting homework in infected premises (S. 110)		
Workshops on the Register (S. 131) at the end of 1904.		
Important classes of workshops, such as workshop bakehouses, may be enumerated here.	Factories—59	
	Workshops and Workplaces—45.	
	Bakehouses—16.	
Total number of workshops on Register... ..		120

